Web Images Video News Maps more »

Google scholar parity check matrix "relatively prime" Search

Advanced Scholar Search
Scholar Preferences
Scholar Help

Scholar **All articles** - Recent articles Results **1** - **10** of about **1,100** for **parity check matrix "relative**

Explicit constructions of graphs without short cycles and low density codes
GA Margulis - Combinatorica, 1982 - Springer
... perform n operations, where n is the order of the **parity-check matrix** and b **...** Since mand qare **relatively prime**, there exists an integral unimodular **matrix ...**
Cited by 143 - Related articles - Web Search - All 2 versions

[PDF] Pseudorandom construction of low-density **parity-check** codes using linear congruential sequences
A Prabhakar, K Narayanan - IEEE Transactions on Communications, 2002 - Citeseer
... C4. (optional) a is **relatively prime** to M. **...** It should be noted here that since the **parity check matrix** is not constructed in systematic **...**
Cited by 27 - Related articles - View as HTML - Web Search - BL Direct - All 15 versions

On algebraic construction of Gallager and circulant low-density **parity-check** codes
H Tang, J Xu, Y Kou, S Lin, K Abdel-Ghaffar, PMCS ... - IEEE Transactions on Information Theory, 2004 - ieeexplore.ieee.org
... The **parity-check matrix** of a code in this class has exactly the same form as that proposed by Gallager [1], [2]. Sec- tion IV gives a class of LDPC codes **...**
Cited by 45 - Related articles - Web Search - BL Direct - All 2 versions

[CITATION] Some results on quasi-cyclic codes
CL Chen, WW Peterson, EJ Weldon Jr - Information and Control, 1969 - Academic Press.
Cited by 49 - Related articles - Web Search

On lowest-density MDS codes - kfupm.edu.sa [PDF]
M Blaum, RM Roth - IEEE Trans. on Information theory, 1999 - eprints.kfupm.edu.sa
... By a **parity-check matrix** (respectively, generator **matrix**) of an IF **...** we mean a **parity-check matrix** (respectively, generator **matrix**) over IF q of (C) IFq . **...**
Cited by 39 - Related articles - View as HTML - Web Search - Library Search - BL Direct - All 9 versions

EVENODD: An efficient scheme for tolerating double disk failures in RAID architectures
M Blaum, J Brady, J Bruck, J Menon - IEEE Transactions on computers, 1995 - doi.ieeecomputersociety.org
... A major advantage of EVENODD is that it only requires **parity** hardware, which is typically present in standard RAID-5 controllers. **...**
Cited by 216 - Related articles - Web Search - BL Direct - All 8 versions

Algebraic structure of quasicyclic codes - umass.edu [PDF]
K Lally, P Fitzpatrick - Discrete Applied Mathematics, 2001 - Elsevier
... where I is the identity **matrix**. **...** For each i, we **check** that the diagonal component is a divisor of x m −1. Thenthe generator g i is multiplied by a ii =(x m **...**
Cited by 40 - Related articles - Web Search - BL Direct - All 7 versions

Byte-oriented error-correcting codes for semiconductor memory systems
CL Chen - IEEE Transactions on Computers, 1986 - ieeexplore.ieee.org
... A well-known method of constructing SBC-DBD codes is the construction of Reed-Solomon codes with three **check** bytes [2]-[5]. Let b be the number of bits per byte **...**
Cited by 14 - Related articles - Web Search - All 4 versions

Coding of real-number sequences for error correction: A digital signal processing problem
T Marshall Jr - IEEE Journal on Selected Areas in Communications, 1984 - ieeexplore.ieee.org
... An (N - K) L - - J Fig. 1. Encoder and decoder for a real-number error-correcting code, X N **parity check matrix** H, of rank N - K defined by GH* = 0 (5) ...
Cited by 69 - Related articles - Web Search - All 3 versions

Disk allocation methods using error correcting codes
C Faloutsos, D Metaxas - IEEE Transactions on Computers, 1991 - ieeexplore.ieee.org
... vector U) k number of information bits n - k number of **parity** bits (= logz m) ... where pj is a positive integer **relatively prime** to m; Du and Soboleski describe ...
Cited by 50 - Related articles - Web Search - All 6 versions

Key authors: **M Blaum** - **G Margulis** - **J van Lint** - **J Brady** - **J Bruck**

Gooooooooooogle ▶
Result Page: 1 2 3 4 5 6 7 8 9 10 **Next**

parity check matrix "relatively prime" Search

Go to Google Home - About Google - About Google Scholar